

- 1) (currently amended) A fuel additive system, for comprehensive-single-addition improvement of low-quality transportation fuels, comprising:
  - a) at least one amount of at least one additive component sufficient to effectively enhance biocidal action;
  - b) at least one amount of at least one additive component sufficient to effectively enhance combustion boosting action;
  - c) at least one amount of at least one additive component sufficient to effectively enhance corrosion inhibiting action;
  - d) at least one amount of at least one additive component sufficient to effectively enhance water managing action;
  - e) at least one amount of at least one additive component sufficient to effectively enhance detergent action;
  - f) at least one amount of at least one additive component sufficient to effectively enhance solvent action;
  - g) at least one amount of at least one additive component sufficient to effectively enhance fuel stabilizing action; and
  - h) at least one amount of at least one additive component sufficient to effectively enhance fuel lubricating action;
  - i) wherein at least one ~~user friendly, effective,~~ comprehensive fuel additive may be provided for adding to transportation fuels.
- 2) (original) The fuel additive system according to Claim 1 further comprising at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action.
- 3) (original) The fuel additive system according to Claim 1 further comprising at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action.
- 4) (original) The fuel additive system according to Claim 1 further comprising:
  - a) at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action; and
  - b) at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action.
- 5) (original) The fuel additive system according to Claim 1 further comprising the low-quality transportation fuels.
- 6) (original) The fuel additive system according to Claim 5 wherein said at least one amounts of said at least one additive components totally comprise a volume ratio with respect to transportation fuels of about 1:1000.
- 7) (currently amended) The fuel additive system according to Claim 1, for comprehensive-single-addition improvement of low-quality motor fuels, wherein:
  - a) said at least one amount of said at least one additive component sufficient to effectively enhance biocidal action comprises from about 0.2 to about 7 volume percent;
  - b) said at least one amount of said at least one additive component sufficient to effectively enhance combustion boosting action comprises from about 1 to about 5 volume percent;

- c) said at least one amount of said at least one additive component sufficient to effectively enhance corrosion inhibiting action comprises from about 0.2 to about 5 volume percent;
  - d) said at least one amount of said at least one additive component sufficient to effectively enhance water managing action comprises from about 2 to about 8 volume percent;
  - e) said at least one amount of said at least one additive component sufficient to effectively enhance detergent action comprises from about 20 to about 45 volume percent;
  - f) said at least one amount of said at least one additive component sufficient to effectively enhance solvent action comprises from about 46 to about 80 volume percent;
  - g) said at least one amount of said at least one additive component sufficient to effectively enhance fuel stabilizing action comprises from about 0.2 to about 5 volume percent; and
  - h) said at least one amount of said at least one additive component sufficient to effectively enhance fuel lubricating action comprises from about 0.5 to about 5 volume percent;
  - i) wherein at least one ~~user friendly, effective,~~ comprehensive fuel additive may be provided for adding to motor fuels.
- 8) (original) The fuel additive system according to Claim 7 further comprising at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action comprising from about 0.0002 to about 9 volume percent.
- 9) (original) The fuel additive system according to Claim 7 further comprising at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action comprising from about 5 to about 10 volume percent.
- 10) (original) The fuel additive system according to Claim 7 further comprising:
- a) at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action comprising from about 0.0002 to about 9 volume percent; and
  - b) at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action comprising from about from 5 to about 10 volume percent.
- 11) (original) The fuel additive system according to Claim 7 wherein:
- a) said at least one amount of said at least one additive component sufficient to effectively enhance biocidal action comprises from about 0.6 to about 5 volume percent;
  - b) said at least one amount of said at least one additive component sufficient to effectively enhance combustion boosting action comprises from about 2 to about 4 volume percent;
  - c) said at least one amount of said at least one additive component sufficient to effectively enhance corrosion inhibiting action comprises from about 1 to about 2.5 volume percent;

- d) said at least one amount of said at least one additive component sufficient to effectively enhance water managing action comprises from about 2 to about 6 volume percent;
  - e) said at least one amount of said at least one additive component sufficient to effectively enhance detergent action comprises from about 26 to about 35 volume percent;
  - f) said at least one amount of said at least one additive component sufficient to effectively enhance solvent action comprises from about 52 to about 59 volume percent;
  - g) said at least one amount of said at least one additive component sufficient to effectively enhance fuel stabilizing action comprises from about 1 to about 2.5 volume percent; and
  - h) said at least one amount of said at least one additive component sufficient to effectively enhance fuel lubricating action comprises from about 1.5 to about 2.5 volume percent.
- 12) (original) The fuel additive system according to Claim 11 further comprising at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action comprising from about 0.0004 to about 6 volume percent.
- 13) (original) The fuel additive system according to Claim 11 further comprising at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action comprising from about 6 to about 8 volume percent.
- 14) (original) The fuel additive system according to Claim 11 further comprising:
- a) at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action comprising from about 0.0004 to about 6 volume percent; and
  - b) at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action comprising from about 6 to about 8 volume percent.
- 15) (currently amended) The fuel additive system according to Claim 11 wherein:
- a) said at least one amount of said at least one additive component sufficient to effectively enhance biocidal action comprises about 4 volume percent 1,2,4-trimethylbenzene;
  - b) said at least one amount of said at least one additive component sufficient to effectively enhance combustion boosting action comprises about 3 volume percent cumene;
  - c) ~~said at least one amount of said at least one additive component sufficient to effectively enhance corrosion inhibiting action comprises about 2 volume percent DCI-6A™;~~ said at least one amount of said at least one additive component sufficient to effectively enhance water managing action comprises about 3 volume percent 2-butoxyethanol;
  - d) said at least one amount of said at least one additive component sufficient to effectively enhance detergent action comprises about 20 volume percent DMA 558™ and about 6 volume percent 2,4-pentanedione;

- e) said at least one amount of said at least one additive component sufficient to effectively enhance solvent action comprises about 50 volume percent xylene and about 2 volume percent n-propylbenzene;
  - f) said at least one amount of said at least one additive component sufficient to effectively enhance fuel stabilizing action comprises about 2 volume percent AO 22™; and
  - g) said at least one amount of said at least one additive component sufficient to effectively enhance corrosion inhibiting action and said at least one amount of said at least one additive component sufficient to effectively enhance fuel lubricating action together comprises about  $\pm 4$  volume percent DCI 6A™.
- 16) (original) The fuel additive system according to Claim 15 further comprising at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action comprising about 2 volume percent ferrocene.
- 17) (original) The fuel additive system according to Claim 15 further comprising at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action comprising about 6 volume percent methanol.
- 18) (original) The fuel additive system according to Claim 15 further comprising:
- a) at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action comprising about 2 volume percent ferrocene; and
  - b) at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action comprising from about 6 volume percent methanol.
- 19) (currently amended) The fuel additive system according to Claim 1, for comprehensive-single-addition improvement of low-quality diesel fuels, comprising:
- a) at least one amount of at least one additive component sufficient to effectively enhance biocidal action;
  - b) at least one amount of at least one additive component sufficient to effectively enhance combustion boosting action;
  - c) at least one amount of at least one additive component sufficient to effectively enhance corrosion inhibiting action;
  - d) at least one amount of at least one additive component sufficient to effectively enhance water managing action;
  - e) at least one amount of at least one additive component sufficient to effectively enhance detergent action;
  - f) at least one amount of at least one additive component sufficient to effectively enhance solvent action;
  - g) at least one amount of at least one additive component sufficient to effectively enhance fuel stabilizing action; and
  - h) at least one amount of at least one additive component sufficient to effectively enhance fuel lubricating action;
  - i) wherein at least one ~~user friendly, effective,~~ comprehensive fuel additive may be provided for adding to diesel fuels.

- 20) (original) The fuel additive system according to Claim 19 further comprising at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action.
- 21) (original) The fuel additive system according to Claim 19 further comprising at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action.
- 22) (original) The fuel additive system according to Claim 19 further comprising:
  - a) at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action; and
  - b) at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action.
- 23) (original) The fuel additive system according to Claim 19 wherein:
  - a) said at least one amount of said at least one additive component sufficient to effectively enhance biocidal action comprises from about 0.1 to about 2 volume percent;
  - b) said at least one amount of said at least one additive component sufficient to effectively enhance combustion boosting action comprises from about 31 to about 65 volume percent;
  - c) said at least one amount of said at least one additive component sufficient to effectively enhance corrosion inhibiting action comprises from about 0.25 to about 1 volume percent;
  - d) said at least one amount of said at least one additive component sufficient to effectively enhance water managing action comprises from about 5 to about 15 volume percent;
  - e) said at least one amount of said at least one additive component sufficient to effectively enhance detergent action comprises from about 10 to about 30 volume percent;
  - f) said at least one amount of said at least one additive component sufficient to effectively enhance solvent action comprises from about 22 to about 60 volume percent;
  - g) said at least one amount of said at least one additive component sufficient to effectively enhance fuel stabilizing action comprises from about 5 to about 10 volume percent; and
  - h) wherein said at least one amount of said at least one additive component sufficient to effectively enhance fuel lubricating action comprises from about 1.2 to about 2.5 volume percent.
- 24) (original) The fuel additive system according to Claim 23 further comprising at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action comprising from about 0.0002 to about 9 volume percent.
- 25) (original) The fuel additive system according to Claim 23 further comprising at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action comprising from about 2 to about 45 volume percent.
- 26) (original) The fuel additive system according to Claim 23 further comprising:

- a) at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action comprising from about 0.0002 to about 9 volume percent; and
  - b) at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action comprising from about 2 to about 45 volume percent.
- 27) (original) The fuel additive system according to Claim 23 wherein:
- a) said at least one amount of said at least one additive component sufficient to effectively enhance biocidal action comprises from about 0.5 to about 1 volume percent;
  - b) said at least one amount of said at least one additive component sufficient to effectively enhance combustion boosting action comprises from about 31 to about 43 volume percent;
  - c) said at least one amount of said at least one additive component sufficient to effectively enhance corrosion inhibiting action comprises from about 0.5 to about 0.75 volume percent;
  - d) said at least one amount of said at least one additive component sufficient to effectively enhance water managing action comprises from about 5 to about 10 volume percent;
  - e) said at least one amount of said at least one additive component sufficient to effectively enhance detergent action comprises from about 10 to about 20 volume percent;
  - f) said at least one amount of said at least one additive component sufficient to effectively enhance solvent action comprises from about 22 to about 45 volume percent;
  - g) said at least one amount of said at least one additive component sufficient to effectively enhance fuel stabilizing action comprises from about 5 to about 7 volume percent; and
  - h) wherein said at least one amount of said at least one additive component sufficient to effectively enhance fuel lubricating action comprises from about 1.5 to about 2 volume percent.
- 28) (original) The fuel additive system according to Claim 27 further comprising at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action comprising from about 0.0004 to about 6 volume percent.
- 29) (original) The fuel additive system according to Claim 27 further comprising at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action comprising from about 5 to about 31 volume percent.
- 30) (original) The fuel additive system according to Claim 27 further comprising:
- a) at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action comprising from about 0.0004 to about 6 volume percent; and
  - b) at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action comprising from about 5 to about 31 volume percent.
- 31) (currently amended) The fuel additive system according to Claim 27 wherein:

- a) said at least one amount of said at least one additive component sufficient to effectively enhance biocidal action comprises about 1 volume percent T9312™;
  - b) said at least one amount of said at least one additive component sufficient to effectively enhance combustion boosting action comprises about 30 volume percent 2-ethylhexyl nitrate and also comprises about 2 volume percent 2-ethylhexyl alcohol;
  - c) said at least one amount of said at least one additive component sufficient to effectively enhance corrosion inhibiting action comprises about 0.5 volume percent DCI 6A™;
  - d) ~~said at least one amount of said at least one additive component sufficient to effectively enhance water managing action comprises about 5 volume percent DMA 451™;~~ said at least one amount of said at least one additive component sufficient to effectively enhance water managing action and said at least one amount of said at least one additive component sufficient to effectively enhance detergent action together comprises about ~~5~~ 10 volume percent DMA 451™;
  - e) said at least one amount of said at least one additive component sufficient to effectively enhance solvent action comprises about 20 volume percent AROL 50™ and also comprises about 2.5 volume percent heavy aromatic naptha;
  - f) said at least one amount of said at least one additive component sufficient to effectively enhance fuel stabilizing action comprises about 5 volume percent DMA 558™; and
  - g) wherein said at least one amount of said at least one additive component sufficient to effectively enhance fuel lubricating action comprises about 2 volume percent OLI 5015™.
- 32) (original) The fuel additive system according to Claim 31 further comprising at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action comprising about 2 volume percent ferrocene.
- 33) (original) The fuel additive system according to Claim 31 further comprising at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action comprising about 20 volume percent vinyl acetate polymers.
- 34) (original) The fuel additive system according to Claim 31 further comprising:
- a) at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action comprising about 2 volume percent ferrocene; and
  - b) at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action comprising about 20 volume percent vinyl acetate polymers.
- 35) (currently amended) The fuel additive system according to Claim 7, for comprehensive-single-addition improvement of low-quality motor fuels, wherein said at least one additive component sufficient to effectively enhance combustion boosting action comprises at least one additive component selected from the group consisting essentially of:
- a) methyl tert-butyl ether
  - b) ethyl tert-butyl ether
  - c) tert-amyl methyl ether

- d) diisopropyl ether
  - e) tert-amyl alcohol
  - f) tert-butyl alcohol
  - g) methanol
  - h) ethanol
  - i) isopropanol
  - j) n-propylbenzene
  - k) toluene
  - l) xylene
  - m) benzene
  - n) nitromethane
  - o) nitroethane
  - p) propylene oxide
  - q) naptha and
  - r) alcohols
  - s) ethers
  - t) cumene.
- 36) (original) The fuel additive system according to Claim 7, for comprehensive-single-addition improvement of low-quality motor fuels, wherein said at least one additive component sufficient to effectively enhance corrosion inhibiting action comprises at least one additive component selected from the group consisting essentially of:
- a) DCI series products
  - b) DCI 6A™
  - c) DCI 4A™
  - d) DCI 11™
  - e) DCI 28™
  - f) DCI 30™
  - g) HITEC 580™
  - h) BIOBOR JF™
  - i) ONDEO-NALCO 5403™.
- 37) (original) The fuel additive system according to Claim 7, for comprehensive-single-addition improvement of low-quality motor fuels, wherein said at least one additive component sufficient to effectively enhance water managing action comprises at least one additive component selected from the group consisting essentially of:
- a) 2-butoxyethanol
  - b) methanol
  - c) ethanol
  - d) isopropyl alcohol
  - e) alcohols
  - f) ethers
  - g) water scavengers
  - h) DMA 451™.
- 38) (currently amended) The fuel additive system according to Claim 7, for comprehensive-single-addition improvement of low-quality motor fuels, wherein said at least one

additive component sufficient to effectively enhance detergent action comprises at least one additive component selected from the group consisting essentially of:

- a) DMA 558™
  - b) DMA series products
  - c) amines
  - d) polyisobutyleneamine
  - e) ~~polyetheramine~~
  - f) polyalkyl amines
  - g) polyether amines
  - h) polyalkyl succinimides
  - i) polyalkylaminophenols
  - j) a sulfonate
  - k) a phosphonate
  - l) a thiophosphonate
  - m) a phenate
  - n) a salicylate
  - o) 2,4-pentanedione and
  - p) 2,3-pentanedione.
- 39) (currently amended) The fuel additive system according to Claim 7, for comprehensive-single-addition improvement of low-quality motor fuels, wherein said at least one additive component sufficient to effectively enhance solvent action comprises at least one additive component selected from the group consisting essentially of:
- a) xylene
  - b) toluene
  - c) benzene
  - d) naptha
  - e) cumene and
  - f) n-propylbenzene.
- 40) (currently amended) The fuel additive system according to Claim 7, for comprehensive-single-addition improvement of low-quality motor fuels, wherein said at least one additive component sufficient to effectively enhance fuel stabilizing action comprises at least one additive component selected from the group consisting essentially of:
- a) AO 22™
  - b) AO series products
  - c) alkylated phenols
  - d) diamines
  - e) surfactants
  - f) dispersants
  - g) 2,4-pentanedione
  - h) 2,3-pentanedione and
  - i) amines.
- 41) (currently amended) The fuel additive system according to Claim 7, for comprehensive-single-addition improvement of low-quality motor fuels, wherein said at least one additive component sufficient to effectively enhance biocide action comprises at least one additive component selected from the group consisting essentially of:

- a) 1,2,4-trimethylbenzene
  - b) thiazoles
  - c) thiocyanates
  - d) isothiazolins
  - e) cyanobutane
  - f) ~~dithiocarbamate~~ dithiocarbamates
  - g) ~~thione~~ thiones
  - h) bromo-compounds
  - i) surfactants
  - j) water-scavengers
  - k) ONDEO-NALCO 303MC™ and
  - l) BIOBOR JF™.
- 42) (currently amended) The fuel additive system according to Claim 7, for comprehensive-single-addition improvement of low-quality motor fuels, wherein said at least one additive component sufficient to effectively enhance fuel lubricating action comprises at least one additive component selected from the group consisting essentially of:
- a) DCI 6A™
  - b) DCI™ series products
  - c) AO™ series products
  - d) oils
  - e) polyalphaolefins
  - f) sulfur
  - g) ONDEO-NALCO 5403 and
  - h) lubricants.
- 43) (currently amended) The fuel additive system according to Claim 8, for comprehensive-single-addition improvement of low-quality motor fuels, wherein said at least one additive component sufficient to effectively enhance combustion modifying action comprises at least one additive component selected from the group consisting essentially of:
- a) ferrocene
  - b) platinum
  - c) cerium
  - d) manganese
  - e) methylcyclopentadienyl manganese tricarbonyl and
  - f) HITEC 3023™.
- 44) (currently amended) The fuel additive system according to Claim 9, for comprehensive-single-addition improvement of low-quality motor fuels, wherein said at least one additive component sufficient to effectively enhance low temperature flowing action comprises at least one additive component selected from the group consisting essentially of:
- a) methanol
  - b) n-propanol
  - c) isopropanol
  - d) polyalkyl methacrylate
  - e) polystyrene methacrylate

- f) polymethacrylates
  - g) ~~polymers~~
  - h) dispersants
  - i) wax modifiers and
  - j) ~~alcohols~~
  - k) 2-butoxyethanol.
- 45) (currently amended) The fuel additive system according to Claim 19, for comprehensive-single-addition improvement of low-quality diesel fuels, wherein said at least one additive component sufficient to effectively enhance combustion boosting action comprises at least one additive component selected from the group consisting essentially of:
- a) 2-ethylhexyl nitrate
  - b) 2-ethylhexyl alcohol
  - c) cumene
  - d) n-propylbenzene
  - e) toluene
  - f) xylene
  - g) benzene
  - h) nitromethane
  - i) nitroethane
  - j) propylene oxide
  - k) ethanol
  - l) octyl nitrate
  - m) naptha
  - n) methyl tert-butyl ether
  - o) ethyl tert-butyl ether
  - p) tert-amyl methyl ether
  - q) diisopropyl ether
  - r) tert-amyl alcohol
  - s) tert-butyl alcohol
  - t) methanol and
  - u) isopropyl alcohol,
  - v) ~~tert-butyl alcohol~~
  - w) ~~tert-amyl alcohol~~
  - x) ~~alcohols~~
  - y) ~~ethers.~~
- 46) (currently amended) The fuel additive system according to Claim 19, for comprehensive-single-addition improvement of low-quality diesel fuels, wherein said at least one additive component sufficient to effectively enhance corrosion inhibiting action comprises at least one additive component selected from the group consisting essentially of:
- a) DCI 4A<sup>TM</sup>
  - b) DCI 6A<sup>TM</sup>
  - c) DCI 11<sup>TM</sup>
  - d) DCI 28<sup>TM</sup>

- e) DCI 30™
  - f) HI TEC 580™
  - g) BIOBOR JF™
  - h) ONDEO-NALCO 5403™
  - i) azoles
  - j) amines
  - k) nitrites
  - l) phosphates
  - m) molybdates
  - n) phosphonates and
  - o) silicates.
- 47) (original) The fuel additive system according to Claim 19, for comprehensive-single-addition improvement of low-quality diesel fuels, wherein said at least one additive component sufficient to effectively enhance water managing action comprises at least one additive component selected from the group consisting essentially of:
- a) DMA 451™
  - b) DDA-4500™
  - c) HITEC 6471™
  - d) HITEC 6423™
  - e) ALKEN EVEN FLO 910™
  - f) Alcohols
  - g) 2-butoxyethanol
  - h) water scavengers.
- 48) (currently amended) The fuel additive system according to Claim 19, for comprehensive-single-addition improvement of low-quality diesel fuels, wherein said at least one additive component sufficient to effectively enhance detergent action comprises at least one additive component selected from the group consisting essentially of:
- a) DMA 451™
  - b) DMA series products
  - c) DMA 558™
  - d) DMA 559™
  - e) DMA 560™
  - f) DMA 561™
  - g) DMA 562™
  - h) DMA 563™
  - i) DMA 564™
  - j) amines
  - k) polyisobutyleneamine
  - l) ~~polyetheramine~~
  - m) polyalkyl amines
  - n) polyether amines
  - o) polyalkyl succinimides
  - p) polyalkylaminophenols
  - q) sulfonates
  - r) phosphonates

- s) thiophosphonates
  - t) phenates
  - u) salicylates
  - v) 2,4-pentanedione and
  - w) 2,3-pentanedione.
- 49) (currently amended) The fuel additive system according to Claim 19, for comprehensive-single-addition improvement of low-quality diesel fuels, wherein said at least one additive component sufficient to effectively enhance solvent action comprises at least one additive component selected from the group consisting essentially of:
- a) AROL 50™
  - b) HISOL 100
  - c) benzene
  - d) xylene
  - e) toluene
  - f) cumene
  - g) naptha
  - h) heavy aromatic naptha and
  - i) n-propylbenzene.
- 50) (currently amended) The fuel additive system according to Claim 19, for comprehensive-single-addition improvement of low-quality diesel fuels, wherein said at least one additive component sufficient to effectively enhance fuel stabilizing action comprises at least one additive component selected from the group consisting essentially of:
- a) DMA 558™
  - b) DMA™ series products
  - c) 2,3-pentanedione
  - d) 2,4-pentanedione
  - e) amines
  - f) dispersants and
  - g) surfactants.
- 51) (currently amended) The fuel additive system according to Claim 19, for comprehensive-single-addition improvement of low-quality diesel fuels, wherein said at least one additive component sufficient to effectively enhance biocide action comprises at least one additive component selected from the group consisting essentially of:
- a) T9312™
  - b) T9360™
  - c) 1,2,4-trimethylbenzene
  - d) KATHON 886™
  - e) BIOBOR JF™
  - f) ONDEO-NALCO 303MC™
  - g) thiazoles
  - h) thiocyanates
  - i) isothiazolins
  - j) cyanobutane
  - k) ~~dithiocarbamate~~ dithiocarbamates
  - l) ~~thione~~ thiones

- m) bromo-compounds
  - n) surfactants and
  - o) water-scavengers.
- 52) (currently amended) The fuel additive system according to Claim 19, for comprehensive-single-addition improvement of low-quality diesel fuels, wherein said at least one additive component sufficient to effectively enhance fuel lubricating action comprises at least one additive component selected from the group consisting essentially of:
- a) OLI 5015™
  - b) All AO™ series products
  - c) All DCI™ series products
  - d) All OLI-5000™ series products
  - e) All OLI-9000™ series products
  - f) ONDEO-NALCO 5403™
  - g) HITEC 580™
  - h) oils
  - i) polyalphaolefins and
  - j) sulfur.
- 53) (currently amended) The fuel additive system according to Claim 20, for comprehensive-single-addition improvement of low-quality diesel fuels, wherein said at least one additive component sufficient to effectively enhance combustion modifying action comprises at least one additive component selected from the group consisting essentially of:
- a) ferrocene
  - b) platinum
  - c) cerium
  - d) manganese
  - e) methylcyclopentadienyl manganese tricarbonyl
  - f) HITEC 3023™
  - g) ALKEN EVEN FLO 910™ and
  - h) nitromethane.
- 54) (currently amended) The fuel additive system according to Claim 21, for comprehensive-single-addition improvement of low-quality diesel fuels, wherein said at least one additive component sufficient to effectively enhance low temperature flowing action comprises at least one additive component selected from the group consisting essentially of:
- a) ~~alcohols~~
  - b) methanol
  - c) n-propanol
  - d) 2-butoxyethanol
  - e) isopropanol
  - f) polyalkyl methacrylate
  - g) polystyrene methacrylate
  - h) polymethacrylates
  - i) ~~polymers~~
  - j) dispersants

- k) wax modifiers and
  - l) vinyl acetate polymers.
- 55) (currently amended) A method of making a fuel additive system, for comprehensive-single-addition improvement of low-quality transportation fuels, comprising the step of mixing the following ingredients:
- a) at least one amount of at least one additive component sufficient to effectively enhance biocidal action;
  - b) at least one amount of at least one additive component sufficient to effectively enhance combustion boosting action;
  - c) at least one amount of at least one additive component sufficient to effectively enhance corrosion inhibiting action;
  - d) at least one amount of at least one additive component sufficient to effectively enhance water managing action;
  - e) at least one amount of at least one additive component sufficient to effectively enhance detergent action;
  - f) at least one amount of at least one additive component sufficient to effectively enhance solvent action;
  - g) at least one amount of at least one additive component sufficient to effectively enhance fuel stabilizing action; and
  - h) at least one amount of at least one additive component sufficient to effectively enhance fuel lubricating action;
  - i) wherein at least one ~~user-friendly, effective,~~ comprehensive fuel additive may be provided for adding to transportation fuels.
- 56) (original) The method of making a fuel additive system according to Claim 55 wherein said step further comprises mixing in at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action.
- 57) (original) The method of making a fuel additive system according to Claim 55 wherein said step further comprises mixing in at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action.
- 58) (original) The fuel additive system according to Claim 55 wherein said step further comprises mixing in:
- a) at least one amount of at least one additive component sufficient to effectively enhance combustion modifying action; and
  - b) at least one amount of at least one additive component sufficient to effectively enhance low temperature flowing action.
- 59) (original) The fuel additive system according to Claim 55 further comprising the step of mixing in low-quality transportation fuels.
- 60) (original) The fuel additive system according to Claim 59 wherein said at least one amounts of said at least one additive components totally comprise a volume ratio with respect to said low-quality transportation fuels of about 1:1000.